



MAY, 2019

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©Radio Club of Tacoma W7DK

Volunteerism: Field Day, club offices, club committees, club projects

It's hard to believe we're almost on top of another ARRL Field Day event, with the mighty W7DK station gearing up under the amazing leadership of Adam Barbera, W2NCC, coordinating all of the many responsibilities that go into putting a field day together. There's simply an enormous amount of planning, preparing, organizing, and delegating of responsibilities and chores to make such an event possible. And it's *all done by volunteers* – folks just like you! Volunteers are the lifeblood of organizations like ours – regardless of how that manifests.

Just this past weekend, Adam held another Field Day planning meeting at the clubhouse and I have to say it was very well attended. Adam has an uncanny way of pulling folks together to see what skills they can bring to the table to help ensure this year's event goes off without a hitch, and that our operating capacity is as good as it can possibly be, even in this time of poor propagation.

But we're still looking for volunteers to help out – just simple tasks such as helping haul gear and materials to the site, arranging things once we're there, and providing whatever skills you might have to the common effort. On Saturday, there were the numerous sign-up sheets that have been circulating for some time, looking for volunteers for most any skill you might be able to offer. If you've not seen them, just ask – we'll get you to them.

"Security Officer" still needs to be filled to help guard our site on Friday night, June 21st, after the setup team has left for the night. This position requires camping out and simply keeping an eye on things all during the night, making sure strangers don't walk in and assume "free salvage stuff" is lying all about. If that's something that might be up your alley, just let any club officer know.

We have other projects going right now that desperately need some volunteers – Mike W7MKE will embark on the construction of our new lawnmower shed to be built on the NE edge of the club parking lot area. This is a 10' x 20' storage building (no permits required as long as we maintain proper setbacks, no bigger than 200 square feet, and non-permanent in nature – all of which are part of Mike's design). It will free up much-

THE PRESIDENT'S CORNER



DAVE W7UUU

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Field Day is here

**Volunteer
Pitch in
Attend
Operate
Have FUN!**

needed space in the garage for our growing inventory of donated goods. Mike is very much in need of volunteers who can lend a hand assembling it whether you have carpentry skills or not – and if you have any decent 2x4s, plywood sheets, OSB sheets, or other potentially useful building materials, by all means reach out and let us know if there's something Mike can use. The project will likely take a few weeks to complete so now is a great time to offer, if even in a minimal way, to volunteer to assist in this great project. We need it done badly.

Let's also think beyond the immediate needs of Field Day and the new shed.... Come the end of the year, our intrepid Logger's Bark Editor in Chief P.J. Hicks will step down and we will need a replacement. You do NOT need to have editorial skills! Just a desire to help, and a willingness to learn the "tips of the task" that P.J. and others will help you learn. It's not a tough job but just takes a few hours a month on a computer and a desire to help and inform the membership. If this sounds like something you'd like to try, just let any club officer know. We can even work it out so you could "shadow" P.J. in this job position to learn more about it and see how it might work for you. It could be that fun new artistic outlet you've been seeking!

Then of course are the numerous other committee positions that any willing member could think about taking over.... Yours truly, Dave W7UUU has been doing "Program Manager" for five years this month – another job that's not hard, just takes some effort and imagination. We have committee positions to oversee the various club repeaters, QSL responsibilities, Property Management assistants for PMT manager Red WB7EC, HF committee assistance for co-managers Phil K7PIA and Chris N7CPM – the list is pretty extensive and many of these positions will need to be filled at the Board Meeting next January – just over six months away so it's time to start thinking about what you might want to do.

So just give some thought to the possible good you could do for the benefit of your RCT organization and fellow members! Even small efforts, if enough folks chime in to perform them, can make a big difference.

For now, I hope all have a wonderful rest of your May and I'll look forward to seeing many of you at Field Day in June.

73,
Dave W7UUU



HELP BUILD OUR SHED

This is an update on our activities and a tentative schedule of events to keep everyone informed. Basically, **it's a plea for help!** If possible, we'd like to have the shed completed before June 23 when we return from Field Day so that we don't have to put everything in the garage and then move it to the shed. We'll just put the "annual" stuff in the new shed.

May 1, 2019

BOD votes to authorize \$2000 for building of 10' x 20' storage shed

May 11

RCT member donates \$500 for shed bringing cash budget to \$2500

RCT member donates approx. 10 lbs. 8d gal nails (approx. value \$75) for roofing

Built crib to contain the gravel for the shed's base (\$77 for 6 guard rail Timbers)

May 14

5 yds. Gravel delivered 5/14/19 (\$341)

Donated 10- 2 x 6 x 12' roof rafters delivered (Approx. value \$80) delivered

May 15

Donated Treated 2- 4 x 6 x 20' timbers for foundation delivered (Approx. \$115 value)

Donated 20- 2 x 8 x 12' treated joists delivered for floor joists (approx. value \$370)

Donated LP Siding 7/16" x 4' x 8' (unknown number as of this date, NEED 15)

RCT member volunteers to do rough leveling of gravel bed

May 17-18

Need to level and set 4 x 6 girders

6 mil plastic for ground cover will be donated for under girders

Need to install floor joists & rim board and possibly RS 48/24 plywood floor

Need workers to help

Need cut off saw

Need saw horses and circular saw, guides for cutting plywood straight

Fasteners and connectors will be supplied (must be suitable for use in Treated Wood)

WEATHER PERMITTING, WE WILL PAINT BOTTOM OF PLYWOOD FLOORING AND BACKS OF SIDING. BRING ANY COLORED ACRYLIC LATEX PAINT AND PAINTING MATERIALS FOR THIS PORTION. LIGHT COLORS PREFERRED FOR SIDING. We will want to paint the bottom side of plywood flooring any color. We will paint the backs of the siding (any light color).

May 24-25

Painting of siding continues, paint faces and/or finish painting backs

Will purchase siding face paint

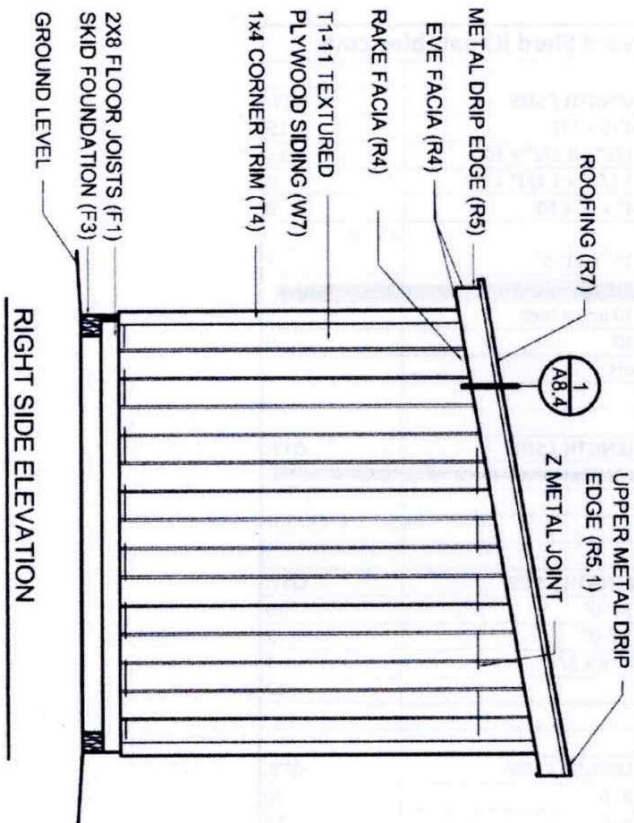
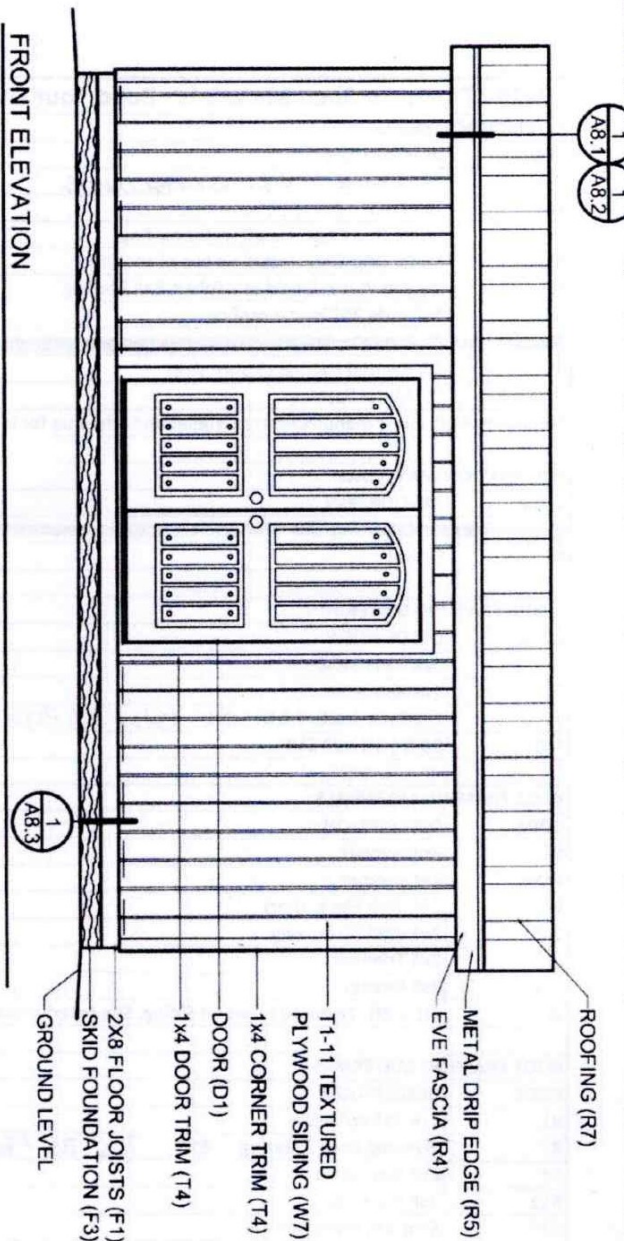
Complete floor and begin wall framing.

Need 2 x 4 x 8' if you have some (30 needed)

Need 2 x 4 x 9' if you have some (24 needed)

Need 9- ½ RS 32/16 for roof panels

THINK AHEAD AND TRY TO HELP Contact Mike Drorbaugh W7MKE with donations, questions, offers, etc. 253-973-3433, 253-531-9440 or bentneedle@comcast.net



SIDING AND ROOFING MATERIALS

| CODE | DESCRIPTION | LENGTH | QTY. |
|------|--|---|-------------|
| W7 | 4ft. x 8ft. T1-11 | per plan | 15 |
| T4 | 1x4 Trim | $\frac{1}{2}$ " x $3\frac{1}{2}$ " x 10' | 11 |
| R5 | Roof Drip Edge, Under roofing | $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x 10' | 8 |
| R5.1 | Roof Drip Edge, Above roofing | 4" x 4" x 10' | 3 |
| R6 | Grace Ice and Water Shield or Roll Roofing | | 250 sf. |
| R7 | 36" PBR Corrugated metal roofing | 11'-5" | 7 |
| R7* | Optional Asphalt Shingles | 231 sf | 2.6 squares |
| R11 | Corrugated roofing closure strip | | 50ft. |
| W10 | "Z" Metal flashing | 10' | 6 |
| D1 | 6068 Pre hung factory built door | | 1 |

*R7 Follow asphalt shingle manufacturers installation technique for low slope roofs.

Construction Drawings to give you an idea of what the new shed will look like. On the following page is a list of materials that will be needed and that we hope you will donate.

10x20-LT Lean To Shed Materials - Build Your Own Backyard Shed iCreatables.com

EXTERIOR MATERIALS

| CODE | DESCRIPTION | LENGTH / SIZE | QTY. |
|------|--|-----------------------|--------|
| W7 | T1-11 Siding <i>OR ALTERNATE</i> | 4'x8'x 1/2" | 15 |
| T4 | 1x4 Trim | 1/2" x 3 1/2" x 10' | 11 |
| R5 | Metal Drip Edge, install under roofing | 1 1/2" x 1 1/2" x 10' | 8 |
| R5.1 | Metal Drip Edge, install on top of roofing | 4" x 4" x 10' | 3 |
| R6 | Ice and Water Shield or Asphalt Roll Roofing | | 250 sf |
| R7 | 36" wide PBR metal roofing | 36" x 11'-5" | 7 |
| R11 | Corrugated roofing closure strip | 10 lineal feet | 5 |
| W10 | "Z" Metal flashing | 10' | 6 |

*follow asphalt shingle manufacturers installation technique for low slope roofs.

FOUNDATION MATERIALS

| CODE | DESCRIPTION | LENGTH / SIZE | QTY. |
|------|--|-------------------|--------------|
| F3 | 2x6 Pressure Treated Lumber | 12'-0" | 1 |
| F5 | 6x6 Pressure Treated Post | 8'-0" | 1 |

FLOOR FRAMING MATERIALS

| CODE | DESCRIPTION | LENGTH / SIZE | QTY. |
|------|---|---------------|------|
| F4 | Full Face O.S.B. T.&G. <i>OR 18/24 RS PLYWOOD</i> | 4'x8'x 3/4" | 7 |
| F10 | SIMPSON A23 CLIP | | 12 |

WALL FRAMING MATERIALS

| CODE | DESCRIPTION | LENGTH / SIZE | QTY. |
|------|---|---------------|------|
| W1 | 2x4 Lumber | 8'-0" | 30 |
| W1.5 | 2x4 Lumber | 9'-0" | 16 |
| W2 | 2x4 Wall Plate, short | 10'-0" | 8 |
| W3 | 2x4 Wall Plate, long | 20'-0" | 6 |
| W5 | 2x4 Trimmer | 8'-0" | 2 |
| W6 | 2x6 Header | 8'-0" | 2 |
| W7 | 4ft. x 8ft. Textured Plywood Siding, See exterior materials | | |

ROOF FRAMING MATERIALS

| CODE | DESCRIPTION | LENGTH / SIZE | QTY. |
|------|--|---------------|------|
| R2 | Plywood Roof Sheeting <i>OR 7/16" RS 2 1/16" OSB</i> | 4'x8'x 7/16" | 9 |
| R4 | 2x6 Sub Fascia | 12'-0" | 4 |
| R12 | 2x6 Blocking | 10'-0" | 4 |
| R15 | Simpson Hurricane Tie | H2.5 | 18 |

DOOR

| | | | |
|----|--|------|---|
| D1 | 60 pre-hung door, style per owner | 6068 | 1 |
|----|--|------|---|

FASTENERS (see door plans for door fasteners)

| | | |
|--------|--|---------|
| 2 1/2" | 8d Galvanized-Floor/Roof Sheet, Siding, Joist/Rafter to Wall | 20 lbs. |
| 3 1/4" | 12d Coated Sinker-Floor Joist, Wall Frame | 6 lbs. |
| | Metal Roof 1/4" hex head screw with neoprene bonded washer | 5 lbs. |
| | Optional Trim Screws #9 flat head, polymer 2.5" | |
| | Construction Adhesive | 10 oz. |
| | | 3 |

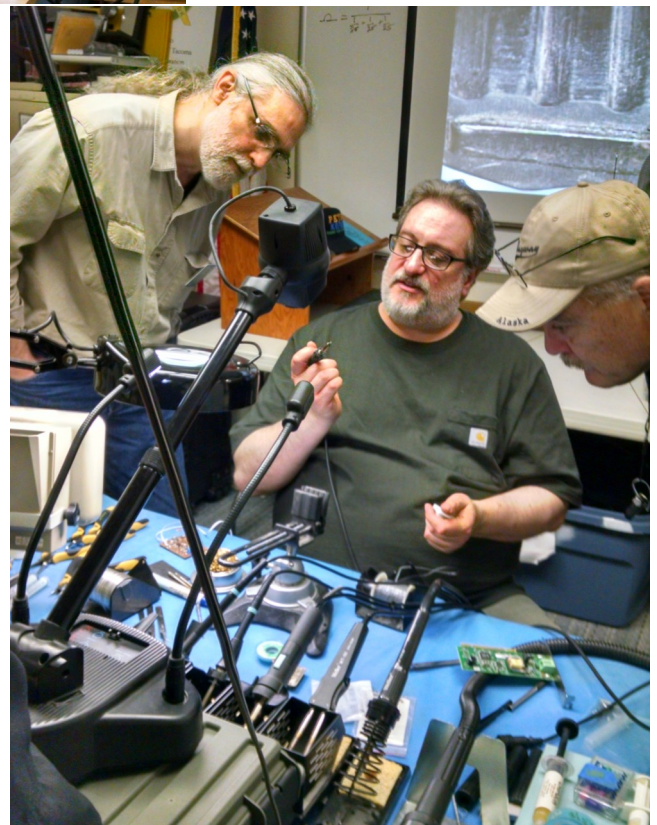
4th Wednesday Activity Night – SMD Solder Workshop

On April 24th the Radio Club of Tacoma sponsored a soldering workshop organized by Steve AF7YD focusing on working with SMD (**S**urface **M**ount **D**evelops). Club member Aaron Grenlund KJ7CEZ set up his considerable equipment and walked the 16 or so attendees through the various steps to obtain sound solder joints with these tiny parts. In addition he gave us a lot of information on types of solder alloys, attendant fluxes, and the use of solder masks and reflow ovens. Aaron's equipment is top notch professional stuff and perhaps more so than needed or affordable by the average hobbyist but there were lively discussions around good irons and stations for the non-professional.



Aaron KJ7CEZ talking about the flow characteristics of solder at various temperatures.

Randy WB4SPB, left, and Mike W7XTZ observe the finer points of soldering with a very nice slender iron as demonstrated by Aaron KJ7CEZ. Note the selection of irons and the boom camera used for great expanded views of the work in progress.



Beginner's Page - Ohm's Law

Ohm's Law is, without a doubt, the single most often used 'law' used in electronics. The relationships expressed in the simple equation $E = I R$ are fundamental to the design and building of electronic circuits. This concept was discovered by George Simon Ohm and published in his 1827 paper, [*The Galvanic Circuit Investigated Mathematically*](#).

When a conductive path is created to allow electrons to flow this charge is called Current and given the symbol 'I' and measured in Amperes.

The force, potential, motivating the charge carriers to move or flow through the circuit is called Voltage and given the symbol 'V', or sometimes 'E' (Electromotive Force) and is measured in Volts.

When current flows through a circuit it encounters 'friction' or resistance. This Resistance is given the symbol 'R' and measured in Ohms.

| Quantity | Symbol | Unit of Measurement | Unit Abbreviation |
|------------|--------|---------------------|-------------------|
| Current | I | Ampere ("Amp") | A |
| Voltage | E or V | Volt | V |
| Resistance | R | Ohm | Ω |

As mentioned above these relationships can be expressed by the equation $E = I R$. This translates to 'The Voltage in volts is equal to the Current in Amperes times the Resistance in Ohms. The rules of algebra allow this equation to be transposed into two additional forms. Use the form that solves for current, voltage, or resistance as needed; $I = E/R$ and $R = E/I$.

An interesting visual aid to transposing the Ohm's Law formula to find the desired element is the Ohm's Law Triangle.

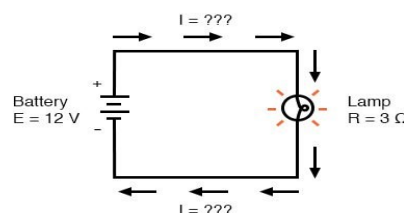


Using your finger, simply cover the quantity you are looking for and the remaining two quantities will be in the arrangement mathematically to solve the equation. Ex. If you are looking for current, cover the 'I' and 'E' over/divided by 'R' is left exposed. Similarly if you seek voltage 'E' then 'I' times 'R' is left exposed.

Current must be expressed in Amperes, Voltage in volts, and Resistance in ohms.

In the example circuit below a battery supplies the voltage ($E=12\text{ V}$) and a lamp presents a resistance to current flow ($R=3\Omega$) of 3 Ohms. To find out how much current flows through the circuit one uses Ohm's Law equation transposed to find current 'I'

$$I = \frac{E}{R} = \frac{12\text{ V}}{3\Omega} = 4\text{ A}$$



‘EXCESS TO MY NEEDS’

Beginning in the June 2019 issue of the Loggers BARK we are going to try having a Classified Page so that RCT members can pass along those “excess to my needs” or “Wanted” pieces of Ham Radio gear.

To that end it is necessary to set some operating rules.

The classified listings are open to all club members in good standing.

The listing will be printed in one issue of the Bark. Listings must be resubmitted to relist.

Members are allowed 2 item listings per Bark issue.

A listing shall consist of one item and its directly related accessory parts only.

Item listings must contain the following information;

Item Description with brand and model or ‘homebrew’ as appropriate and any modifications.

Included accessories such as manuals, cables, options, or modification(s) documentation.

Total price of item and shipping terms if appropriate.

Name, callsign, and current contact information; email and/or phone, etc.

Member may submit one clear photo of the actual item(s) being sold. No catalog or web photos.

Listings are limited to 350 text characters including spaces. Photos may be edited or cropped for publication.

Email your listing(s) and photo(s) to hickspj467@comcast.net or give them to me in **digital form** at the clubhouse at a Saturday Openhouse. Due to the item listing processing time the deadline for submissions is **FIRM**; by the 15th of the month in which you want the listing to appear.



MFJ 618 Dual Channel Speech Intelligibility Enhancer, bought in club purchase and modified as in Feb. 2019 BARK article. Used only a week. Switching to SOTA Wolfwave 100 Asking \$145.00. P J Hicks, N7PH, will deliver to clubhouse. hickspj467@comcast.net

Gather up your ‘excess’ gear and prepare a nice listing for the Logger’s Bark and put a few dollars into your “new gear” kitty.

FIELD DAY IS COMING— GET READY

PITCH IN, SIGN UP, VOLUNTEER, ATTEND & OPERATE

This and That

Communications Academy 2019

Last month, April 13-14, was the Communication Academy conference for 2019 at South Seattle Community College. This year's theme was "Communications Response to Catastrophic Events".

It was great to see Radio Club of Tacoma members Jim Hansen KG7LO, Larry Watson KD4VOM, Verna Lilly KF7FCB, John Sherrill N7TES, Armin Keen N7JAJ, Bob Purdom AD7LJ, Niles N7SOI, Lucy Key KG7ONN, Bob Decker K7BD, and Phil Pia, K7PIA attending. Did I miss anyone?

Some comments about the events:

From John Sherrill, N7TES

John says he enjoyed the FEMA presentation. Also interesting was a presentation by Serena Segura about the predicted tsunami effects of a Cascadia Rising event off shore in the Pacific Ocean, with the expected wave flows from the Pacific Ocean into Puget Sound, all the way to the Narrows in Pierce County.

Scott Honaker displayed several 'Go-Fly Away' box examples, one with a Windows 10 computer module, which looks like oversized memory stick, a monitor, keyboard, mouse, vhf & uhf radios, and batteries, all in about 24 x 18 inches. It was certainly an impressive small and versatile package.

From Verna Lilly, KF7FCB

This was my first Communications Academy experience. I have just spent the last two days learning about the role of amateur radio in an emergency, radio operations, and Winlink. I had the opportunity to hear from regional and federal representatives and instructors that clearly knew their stuff. I also made new friends, enjoyed good food, and, oh yeah, I even won a raffle! Along the way, I learned things that will make me a more proficient (and useful) radio operator.

I expect this to be the first of many Comm Academies to come. See you there next year!

73, Verna, KF7SCB

For me, Steve, AF7YD

I enjoyed hearing the update about partnerships between Ham Radio and regional and county governmental organizations. But what was a real win for me was a technical presentation on the practical applications of linking Ethernet locations by microwave in the 5 GHz region. Carl Leon, N7KUW demonstrated several dish (about 18 in.) and smaller antenna paddles and demonstrated short range reliability even moving signals through buildings that I would have assumed to not be possible with 5Ghz. With a pair of dishes and good line of sight, I would expect a reliable range of 10 to 20 miles. This opens up possibilities of remote or controlled radio over Ethernet for Ham Radio applications.

Another aspect I appreciate about Comm Academy is their variety of topics of-interest for people new to Ham Radio such as the practical side Radio Operations, networking and experience. Most of the presentation slides are now available at:

<http://commacademy.org/index.php?page=2019-coming-soon>

I hope to see you all there next year.

April's Fourth Wednesday Activity Night at the Clubhouse

For the April Fourth Wednesday Activity Night at the Clubhouse, a new RCT member Aaron Grenlund, KJ7CEZ demonstrated soldering techniques for Surface Mount Technology parts on printed circuit boards, and provided opportunity for hands-on practice. We learned about the many pros and cons of working with these very small SMT parts and thin circuit board conductors. For instance: The different alloys and mixes used in solder; Selecting appropriate flux that is compatible with the flux in the solder is important; Advantages of adjustable temperature controlled soldering irons; Use of and cautions for using hot air for SMT de-soldering. I'm sure you get the picture. Lots of good information, excellent demonstrations and practice made for an interesting evening. *See additional article above. Ed.*

Aaron is also putting together a future Logger's Bark article to help us select supplies and sources as we begin our journey with Surface Mount Technology projects. More to come.

That's ***This and That*** for now.

Hope you found something useful. Topic Suggestions & Feedback Welcome.

73, Steve AF7YD.



The mythical **Elecraft K4** is announced amid a storm of speculation.

As we go to press Elecraft made a major product announcement at the 2019 ARRL Hamvention on Thursday, May 16th, 2019. Details are sketchy at this point as we go to press but are looking promising. Three factory versions will be offered initially and 'kit' versions are promised. Pricing has not been announced but is said by Wayne Burdick N6KR, Elecraft principle, to be below that of a comparable K3s. Delivery is slated for November 2019. Go to <https://elecraft.com/pages/k4-pre-order> for preorder details and more information.

Size: 4.5"H x 13.5W x 10"D

Weight: 10 lbs

Supply Voltage: 12—15 VDC

Current: RX—2A TX 18—23 A

Frequency Range: 100kHz—54MHz

Modes: CW, SSB, AM, FM, Data

LCD: 7" Color touch screen & mouse control

RX Antennas: up to 5

CW QSK: Silent PIN diode switched

LAST MINUTE addition...

FOR SALE: New Tower, never installed, brand unknown, 6 sections each 10 ft. long. Top section has rotor mounting plate and bearing mount. \$450 complete. Offers considered.

Contact Red WB7EC, wb7ec@w7dk.org or any PMT member for information or to purchase.



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RCT Field Day is fast approaching; June 22 and 23, 2019

Field day is fast approaching and the RCT has been finalizing plans. Field day is always the fourth full weekend in June and this year it lands on the weekend of June **22 and 23**. All of the key field day roles have been

| Station managers | Band | Mode | Radio |
|-------------------------------|----------|--------------|-------------|
| W7MKE - Mike | 80/15M | Phone & CW | IC-7610 |
| NG7G Warren / N7OMS - Al | 40M | All Modes | Flex |
| W6RHY Liz & K7MLO Ron Steinke | 20M | 20M CW | K3 |
| W7XTZ Mike | 20M /160 | 20P/160 P,CW | 756 Pro III |
| WE7P Bruce / W7HTJ Dave | All | Digital | Flex |

filled. I would like to thank all of the club members that are volunteering supporting this event. The club will be operating 5 stations including a digital station. This year we have new station managers. Ron and Liz Steinke will be administrating the 20 meters CW station. Also, Dave W7HTJ will be a co digital station manager. Welcome aboard!!

The Field day site location will be the same as last year Western State Hospital in Lakewood, WA. We will be using the 20X30 shelter as the main radio tent where all stations will be setup. Having all of the radios in one tent worked well last year so we are planning on doing the same thing this year.



The site layout will be similar to last year with all of the same wire antennas. However there are some changes worth noting. SteppIR has loaned the club a CrankIR antenna and a 2 element SteppIR yaig. Both antennas will be setup at the field day site. Icom has provided the club with an IC-7610 radio. This radio will be used on the 80/15

meter station.

Food services will be managed by W7PFU Chef Paul and K7HTU Chef Jan. These guys do an excellent job making sure meals are planned and ready for Field day weekend.

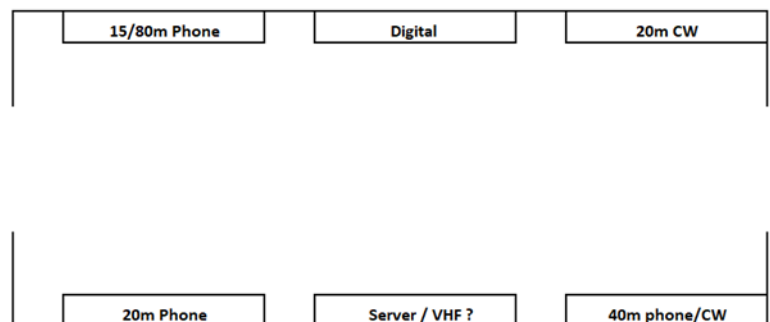
There are field day crew signup sheets at the clubhouse. We need help with all functions of field day including loading and transporting equipment to and from the field day site. We will need a lot of support with setting up the shelters, antennas, towers and kitchen.

We will have operations going 24 hours during the field day operating time of 11:00AM Saturday though to 11:00AM Sunday. Remember always, you don't need to operate a radio to participate in field day. We need help with transporting equipment, setup and takedown. And of course field day is a great place to watch and learn. This is field day, so operators are encouraged. Newbies to radio or experienced, it does not matter, all are welcome.

Please feel free to reach out to me for additional information.

Thanks,
Adam W2NCC adambarbera@yahoo.com

Station Tent Layout

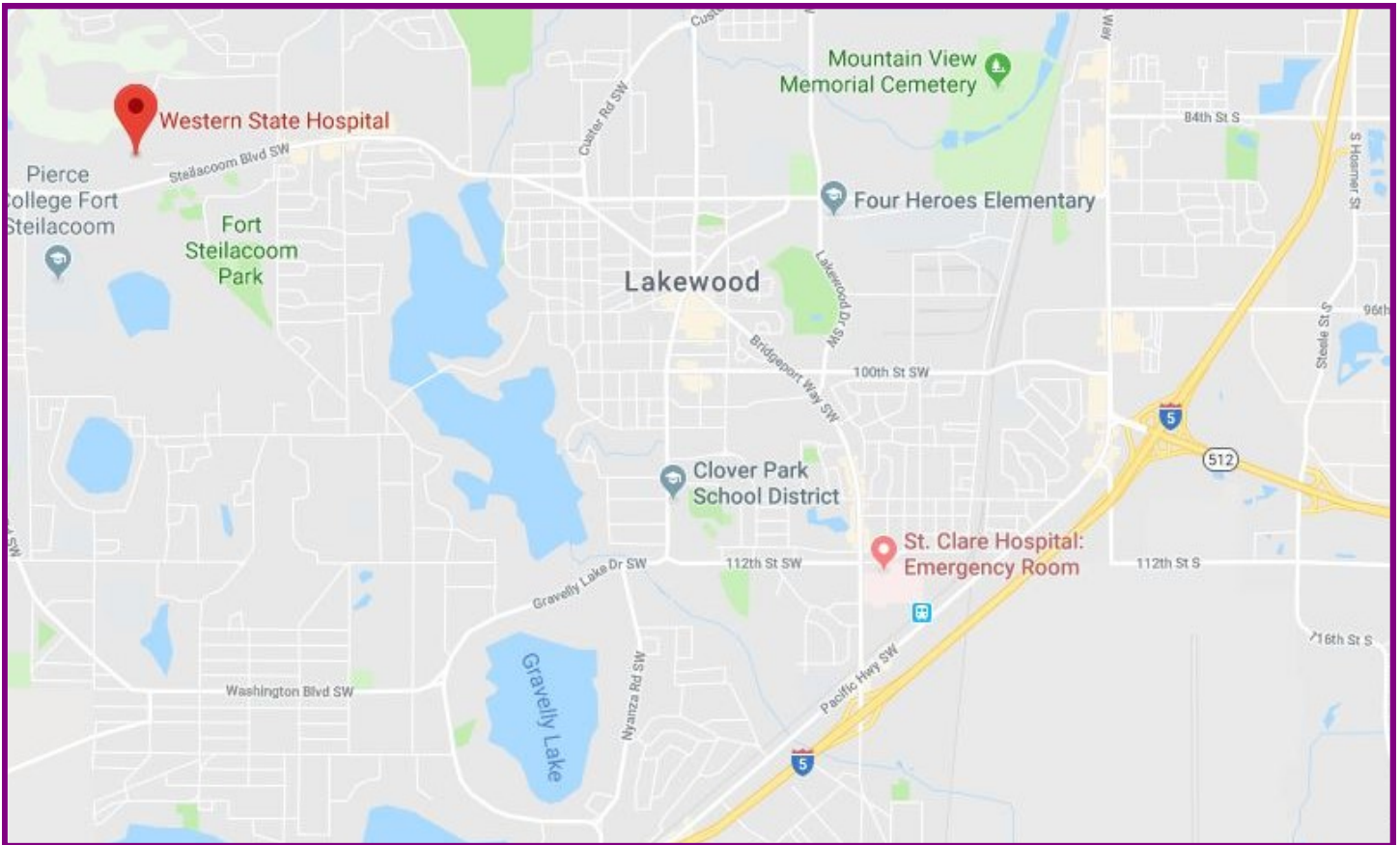




An overhead view shows the proposed Radio Club of Tacoma's Field Day site located at the east end of the Washington State Hospital grounds. It has changed somewhat from previous years with the addition of several new antennas and moving all the operating stations into our new 20' x 30' shelter tent. Please observe the parking areas so as to NOT drive over the antenna coax leads.

Further details and a more comprehensive schedule will be published in next month's Logger's Bark.

RCT 2019 FIELD DAY Site Directions



DIRECTIONS;

From the north take the SR512 exit west to S. Tacoma Way. Turn right and proceed north on S. Tacoma Way to Steilacoom Blvd SW. Turn left on to Steilacoom Blvd SW and follow it west to 87th Ave. Directly ahead on your right will be the Field Day site. Enter the grounds at the first drive and follow the signs.

From the south take the Bridgeport Way SW exit and turn north on to Bridgeport Way SW. Follow Bridgeport Way north and west until it intersects with Steilacoom Blvd. SW. Keep left on Steilacoom Blvd. SW and follow it west to 87th Ave. Directly ahead on your right will be the Field Day site. Enter the grounds at the first drive and follow the signs.

**Radio Club of Tacoma
General Meeting Minutes
April 6, 2019**

Meeting called to order at 1331 PDT by President Dave W7UUU at **Tacoma Eagles Aerie #3, 4810 South Tacoma Way**

Officers and Directors Present

| | |
|----------------|-----------------------|
| President | Dave Ellison W7UUU |
| Vice President | Mike Mikuchonis W7XTZ |
| Secretary | Mike Finnie W7MWF |
| Treasurer | Steve Dightman AF7YD |
| Board | Red Cranefield WB7EC |
| Board | Phil Pia K7PIA |

Pledge of Allegiance led by Dave W7UUU

Welcome and Self-Introductions

Guest present was Kyle
New Calls – none reported
Self-introductions were completed and everyone was welcomed.

Health and Welfare

Silent Keys and Illness There were no reports forthcoming

Secretary's Report

Secretary Mike W7MWF reported receipt of the usual stuff: periodicals, utility bills, bank statements, membership renewals.

The following Annual Reports have been filed:

- ARRL Affiliated Club
- Washington Sec of State Corp Report
- IRS 990N Exempt Organization Tax Return
- Pierce County Personal Property Declaration

Treasurer's Report

Treasurer Steve reported all deposits have been made and current bills have been paid. The Club is in sound financial condition.

President's Report

President Dave W7UUU reminded folks that the sandwich offerings are made available for purchase as a nice gesture by the Eagles Club. He reiterated that it is not a short-order restaurant and that the food service is limited. He also pointed out to members that the kitty for donations for snacks (cookies, coffee, chips) has been pretty dismal with some months of contributions being less than a dollar total. He urged each of us to pony up a little bit.

Committee / Activity Reports

Membership George K7GRS reported current membership stands at 247, down about 5 members

from this time last year.

Training

Tech License Training April 6/7

General License Training April 18-June 20

Dave N7HT reported that he had held a Technician training for Pierce County Search and Rescue and had graduated a half-dozen students into the amateur service.

VE Report (AC7WW)

The next VE Session will be held April 9. Randy WB4SPB reported that a group at JBLM had requested our VE team to help out with some exams on-base. Phil K7PIA reported that the request is being fulfilled.

HF Operations

Phil K7PIA reported that all stations are operational. Upcoming contests include Rookie Round-up (Sideband) on April 14, and the 7th area QSO party.

An HF Committee meeting was held last Sunday and discussed station ergonomics, grounding and bonding, tower maintenance, beam integrity, dipole maintenance, and plans to build an install a 30-meter sleeve dipole.

Repeater Ops

There were reports of unidentified QRM encroaching on the repeater via IRLP. Also, there has been what appears to be illegal broadcasting by unlicensed operators. This will be looked into and action taken if possible.

IT Report

Randy reported IT operations are all A-OK.

Museum

Several restoration projects are being evaluated, including a Multi-Elmac transmitter and a Mohawk receiver.

Facilities Mgmt

Mike W7MWF read the email report provided by Adam W2NCC

Work in progress:

- Removal of the subpanel from the HF room plus 220 wiring update: Rich KR7W is working on creating a materials list. Al N7OMS will purchase the materials and organize a work party.

- The new man door in the garage has been installed. There are some small items like new trim and caulking that need to be finished

- New bait traps have been set outside to address mouse issues

- Additional bid's for a new garage door

- Garage clean out has been scheduled for April

Not Started

· Handicap ramp at the back door needs to be evaluated for repair

Prop Mgmt

Red WB7EC reported sales at Mike and Key generated revenue of \$4206. March swap sales were \$852, and raffle proceeds were \$92. Kudos were given to Red and the Property Management Team for their exceptional efforts.

Logger's Bark

Editor and Publisher PJ Hicks N7PH encouraged contributions of stories, information, and photos for publication in the monthly newsletter.

4th Weds Activity Night -

April 24-Surface mount soldering and de-soldering using hot air, a technique employed with to-day's circuit boards and the tiny components that enable ultra-miniature electronic products. This workshop will feature hands-on opportunities. Presenter: Steve Dightman AF7YD

New Business There was no new business

Unfinished Business and Announcements

The club is soliciting reliable member(s) to take over lawn mowing chores after April. Mike W7MWF will be unavailable.

Comm Academy April 13/14 at South Seattle Community College

Mark your calendars June 21-23 ARRL Field Day 2019

Program The presentation at the April General Meeting was a nice historical video featuring our most senior member, Worth Gurley W7WG. It will highlight his past and concludes with interviews with a couple other old timers. Production date appears to be Summer of 1994.

Tuning and Traffic Dave W7UUU showed the QST magazine mention of participants logged in the Straight Key Night event. Mike W7XTZ has accomplished Worked All States on 80 meters with his recent QSO with an operator in Connecticut.

Door Prize A T-shirt and sticker were won by Lloyd AG7CX

Raffle Prize A Heathkit HW7A power supply was won by Dick N7RHV

Adjournment at 1443 PDT.

Respectfully submitted

Mike W7MWF

Secretary

**Radio Club of Tacoma
Board of Directors Meeting Minutes
April 3, 2019**

Meeting called to order at 1900 PDT by Vice President Mike W7XTZ.

Officers and Directors Present

| | |
|----------------|-----------------------|
| Vice President | Mike Mikuchonis W7XTZ |
| Secretary | Mike Finnie W7MWF |
| Board | Steve Dightman AF7YD |
| Board | Bruce Hanson WE7P |
| Board | Paul Matney W7PFU |
| Board | Red Cranefield WB7EC |
| Board | Phil Pia K7PIA |

Quorum? A quorum was seated. There were ten members signed in on the attendance list, a copy of which is filed with these minutes

Silent Key or Illness There were no new reports of SKs or illnesses

Approval of Minutes of March, 2019 Board Meeting was accomplished.

Secretary's Report Mike reported receipt of the usual Correspondence: Memberships, Utilities, Subscriptions, and Bank Statements.

He also reported that the following Annual Reports have been filed:

- ARRL Affiliated Club
- Washington Sec of State Corp Report
- IRS 990N Exempt Organization Tax Return
- Pierce County Personal Property Declaration

Treasurer's Report Steve AF7YD presented a financial overview of accounts. A copy of Steve's report is filed with these minutes.

Committee / Reports

Membership George reported currently paid membership is at 247. He also mentioned that several prospective members have felt intimidated by the 'Member Interest Survey' that accompanies the membership application. It was felt that we should make an effort to emphasize that the completion of the survey is purely voluntary and for informational purposes only.

| | |
|----------|---|
| Training | Tech License Training April 6/7 |
| | General License Training April 18 through June 20 |
| | VE Testing April 9 |

Info Tech and Website Randy WB4SPB reported that all IT systems are functioning properly, A-OK and everything is Hunky Dory. In response to a question regarding the photo galleries on the website, Randy hopes to refresh the content in the future, but is hampered by the limitations of the current web publishing platform.

He also asked for guidance and suggestions for a mechanism to promulgate "For Sale" and "Want to Buy" information for use by club members. It was felt that, in addition to posting info on bulletin boards at the clubhouse, such a listing service could be provided via The Loggers' Bark newsletter and this idea will be submitted to Editor PJ N7PH for input and consideration.

HF Operations Phil K7PIA reported all operating stations working well. Several contests are coming up in the next few weeks.

The HF Committee met on March 31 and discussed several issues: station ergonomics, bonding and grounding, tower maintenance, beam adjustment, and dipole maintenance. A plan for a new 30 meter antenna is under review.

Repeater Ops There were no adverse reports regarding repeater conditions

Facilities Mgmt Adam W2NCC submitted the following report via email:

Work in progress:

- Removal of the subpanel from the HF room plus 220 wiring update: Rich KR7W is working on creating a materials list. Al N7OMS will purchase the materials and organize a work party.
- The new man door in the garage has been installed. There are some small items like new trim and caulking that need to be finished
- New bait traps have been set outside to address mouse issues
- Additional bid's for a new garage door
- Garage clean out has been scheduled for April

Not Started

- Handicap ramp at the back door needs to be evaluated for repair

Mike W7MWF announced that after 7 years of running the mower, will be unable to take care of that chore this season (after April). Volunteers will be solicited to take over this chore.

Property Mgmt Red WB7EC reported Mike and Key sales report were \$4,206. Sales at March Saturday Swaps were \$852. Red submitted a disposition request for surplus items recently donated. Approval was granted to authorize disposition per standing policy. A copy of the surplus list is filed with these minutes.

Museum Randy WB4SPB reported work is ongoing on the BC348. An HK power supply is being evaluated for refurbishment. Other old equipment is being examined for potential repair and restoration.

Weds Workshop April 24-Surface mount soldering and de-soldering using hot air, a technique employed with to-day's circuit boards and the tiny components that enable ultra-miniature electronic products. This workshop will feature hands-on opportunities. Presenter: Steve Dightman AF7YD

General Meeting The presentation at the April General Meeting will be a nice historical video featuring our most senior member, Worth Gurley W7WG. It will highlight his past and concludes with interviews with a couple other old timers. Production date appears to be Summer of 1994.

Unfinished Business

There were no updates on proposed construction of storage building.

Steve AF7YD is still doing research on solutions for implementing credit card transaction capabilities.

New Business

It was moved and seconded to renew our agreement with the Eagles Club to provide General Meeting facilities, and to authorize the expenditure of \$600 for the facility rental for the next year. Following discussion, a vote was accomplished and the motion carried.

Paul W7PFU requested that the Board consider acquisition of an additional 10 x 20 foot shelter for kitchen/club use during Field Days and other events. It was moved, seconded, and approved to purchase another shelter with cost not to exceed \$250. Motion carried. Paul will purchase the tent and submit a bill for reimbursement.

Activity Reports and Discussion Topics

Field Day upcoming June 21-23

Announcements Phil reminded everyone that Comm Academy is scheduled April 13-14 at South Seattle Community College.

Adjournment was at 1959 PDT.

Submitted by Mike W7MWF
RCT Secretary

THE CLUB LINEUP

CLUB OFFICERS

President: Dave Ellison, W7UUU - w7uuu@w7dk.org

Vice Pres: Mike Mikuchonis, W7XTZ - w7xtz@w7dk.org

Secretary: Mike Finnie, W7MWF - w7mwf@w7dk.org

Treasurer: Steve Dightman, AF7YD - af7yd@w7dk.org

5 BOARD MEMBERS

Bruce Hanson, WE7P - we7p@w7dk.org

Paul Matney, W7PFU - w7pfu@w7dk.org

Adam Barbera, W2NCC - w2ncc@w7dk.org

Red Cranefield, WB7EC - wb7ec@w7dk.org

Phil Pia, K7PIA - k7pia@w7dk.org

THE LOGGER'S BARK is the *OFFICIAL PUBLICATION OF THE RADIO CLUB OF TACOMA...* and is published by RCT, PO Box 11188, Tacoma, WA 98411. The Radio Club of Tacoma is a non-profit corporation as defined by law. All proceeds will be used exclusively for charitable and educational purposes. The Radio Club of Tacoma's Club House is located at 1249 Washington St, Tacoma, WA 98411, phone: 253-759-2040.

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MEMBERSHIP INFO: FULL (licensed) and ASSOCIATE (non licensed) membership is \$35 per calendar year or \$30 for Licensed Seniors (65 and over). Licensed family members at same address pay \$20 each for the first two and are free for the third, fourth, and so on. Full-time students, licensed or non licensed, up to age 25 are \$20 per year. Note: fees are applicable for the calendar year: Jan to Dec. Lifetime membership is 20 times the yearly fee you are eligible for. Lifetime memberships are calculated based on the FULL and ASSOCIATE rates.

www.w7dk.org [LINK] - For the latest and most current information on events and activities, visit the Radio Club of Tacoma Website.

RADIO CLUB REPEATERS

Central Tacoma: 147.280 + PL=103.5

Crawford Mountain 147.380 + PL=103.5 (E of Olympia @ 1500 ft ASL)

Central Tacoma: 440.625 + PL=103.5

North Tacoma: 145.21 – PL=141.3